System And Method for Displaying Seamless Immersive Video

Paul A. Youngblood

Vlad Margulis

ABSTRACT

An immersive video system is provided which enables a user to interact with immersive video on a variety of platforms. To accommodate different types of platform components, the resolution of the immersive video may be changed. In one embodiment, a pair of immersive videos, one of the immersive videos having a 360° field of view, are simultaneously played in a standard display software program. In another embodiment, a single immersive video mapping an environment greater than 360° is played in a standard display software program. The display software program can be chosen such that it is supported by a variety of platforms. A view window associated with the standard display software program defines the portion of the immersive video shown to the viewer. A control adjusted by the viewer pans the view window around one of the pair of immersive videos.